Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/14/2022 08:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125044	0	1.50	124935	1.51
Blue	F	SSC	125000	124495	-1	3.08	125064	2.93
Blue	E	FITC	15860	15256	-4	2.31	371	14.42
Blue	D	PE	27718	27208	-2	1.74	633	10.83
Blue	B	PerCP-Cy5-5	38046	36993	-3	3.00	1011	15.27
Blue	A	PE-Cy7	26092	25362	-3	4.89	496	31.12
Red	C	APC	49104	48363	-2	2.68	1704	11.45
Red	A	APC-Cy7	28201	27273	-4	3.04	722	12.25
Violet	B	V450	9904	9434	-5	3.62	528	12.08
Violet	A	V500	39004	37781	-4	3.22	989	8.89

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24108	1.97	572	3	N/A	N/A	Pass
Blue	F	SSC	55674	1.75	524	-4	N/A	N/A	Pass
Blue	E	FITC	57	55.60	493	2	0.0399	61	Pass
Blue	D	PE	124	37.93	499	3	0.3252	218	Pass
Blue	B	PerCP-Cy5-5	140	45.85	591	2	0.0187	80	Pass
Blue	A	PE-Cy7	65	92.25	633	1	0.0209	0	Pass
Red	C	APC	329	26.36	578	-3	0.0274	133	Pass
Red	A	APC-Cy7	96	41.29	550	-5	0.0061	869	Pass
Violet	B	V450	86	52.09	456	-2	0.0526	2357	Pass
Violet	A	V500	125	37.06	468	-1	0.0277	2486	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.92	-31.63	1.16
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.45
Red	15.94	13.90 - 20.86	N/A	N/A	29.97	30.26	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9601

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments